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To M. Robinson—c/o Patent and Trademark Office, GAO 2872

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From Nelson H. Shapiro

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Date May 17, 2004

Time

File no. 09/615,081

Pages including cover 4

Message

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XA-9335

PATENT APPLICATION

Response Under 37 C.F.R. 1.116
Expedited Procedure
Examining Group 2872

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Yutaka SUENAGA et al.

Appln. No.: 09/615,081

Group Art Unit: 2872

Filed: July 12, 2000

Examiner: M. Robinson

For: CATADIOPTRIC OPTICAL SYSTEM AND EXPOSURE
APPARATUS EQUIPPED WITH THE SAME

* * *

RESPONSE AFTER FINAL REJECTION

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Attn: Mail Stop AF

Sir:

Favorable reconsideration is respectfully requested
for the reasons which follow.

Claims 85-97 have been rejected under 35 U.S.C. §
102(b) as being anticipated by Furter 5,742,436 and
Claims 98 and 99 have been rejected under 35 U.S.C. §
103(a) as being unpatentable over Furter in view of
Williamson 5,956,192.

As explained to the Examiner in a telephone conference today, independent Claim 85 (the only rejected independent claim) recites, inter alia, that all mirrors belonging to the reduction projection catadioptric optical system are devoid of planar folding mirrors. The Examiner has correctly observed that Furter teaches that the folding mirror (5) may be eliminated, but it is respectfully submitted that splitter surface 15 serves as a folding mirror that cannot be eliminated. Splitter surface 15 clearly serves to bend the optical axis of a lens group 200 so that this optical axis may coincide with that of a concave mirror 19. Thus, it is believed to be clear that splitter surface 15 constitutes a folding mirror (which deflects an optical axis), rendering the Furter patent inappropriate in rejecting Claim 85, and the claims dependent thereon.

For the foregoing reasons, this application is now believed to be clearly in condition for allowance.

The Commissioner is hereby authorized to charge to Deposit Account No. 50-1165 any fees under 37 C.F.R. § 1.16 and 1.17 that may be required by this paper and to credit any overpayment to that Account. If any extension of time is required in connection with the filing of this

paper and has not been requested separately, such extension is hereby requested.

Respectfully submitted,

NHS:lmb

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By: Nelson H. Shapiro
Nelson H. Shapiro
Reg. No. 17,095

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Nelson H. Shapiro
Nelson H. Shapiro

May 17, 2004
Date